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VEHICLE LIFT WITH MOVABLE LIFTING COLUMNS

202C7
InsB1
The invention relates to a vehicle lift which comprises at least two separately displaceable lifting columns, as described in the preamble of claim 1.

202C2
Such a vehicle lift is known from AT-A-325,811
5 and is used particularly for lifting heavy vehicles, such as cars, trucks and buses.

The signals required to cause all lifting columns to operate as a unit are transmitted along separate connecting lines. These signals comprise
10 activating signals for switching on and off the drive means of each lifting column and also monitoring signals for comparing the lifting height of each lifting column. The lifting columns are thus mutually coupled by the connecting lines to form one lifting device which
15 functions in substantially the same manner as a customary vehicle lift.

202C3
The invention has for its object to further develop the known vehicle lift in order to give it more application options.

20 InsB2
This object is achieved in the vehicle lift according to the invention with the steps characterized in claim 1. The lifting columns are hereby no longer considered as composite parts of a whole device but as separate devices which co-act in random numbers. With the
25 invention is achieved that a wide diversity of control and monitoring signals can be exchanged between the separate lifting columns mutually and with the operating means, whereby the options for use of the lifting device according to the invention are greatly increased.

30 It is remarked here, that European patent application 0,747,535 relates to a lifting device with at

least two lifting columns, where the connecting lines are
a data base for exchange of control signals. However,
this publication relates to transport of a building,
where the lifting columns are necessarily displaceable,
5 when a load is resting thereupon. Also, simultaneous
actuation of the lifting columns is not an issue, but
keeping the loads on each lifting column below a
predetermined maximum is. Further, the structural
requirements on a system for lifting and transporting a
10 building, and the forces, which need to be generated in
doing so, are considerably greater or higher than those
in the case of a vehicle lift according to the present
invention.

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filed)~~